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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Sheet

1

of

2

Complete If Known

Application Number	09/809,657
Filing Date	March 15, 2001
First Named Inventor	T. W. Hutchens
Group Art Unit	1743
Examiner Name	Not Yet Assigned

Attorney Docket Number HO-P00798USF

U. S. PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	U. S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Page, Column, Line, Where Relevant Paragraphs or Relevant Figures Appear
		Number	Kind Code ² (If Known)			
A	3,898,861	Parkhurst et al.			07/29/75	AUG 01 2001
B	4,022,878	Anbar			05/10/77	2001
C	4,295,048	Grüter et al.			10/13/81	
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Q	5,124,267	Humpel et al.			06/23/92	
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Examiner Initials ¹	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Page, Column, Line, Where Relevant Paragraphs or Relevant Figures Appear
		Office ³	Number ⁴			
T	EP 00/84086			Leybold-Heraeus GmbH	07/27/83	
U	EP 03/33912			Bruker-Franzen Analytik GmbH	09/27/89	
V	GB 22/35528			Finnigan Mat Ltd.	03/06/91	
W	GB 22/35529			Finnigan Mat Ltd.	03/03/91	
X	WO 81/02961			Finnigan Mat Ltd.	03/07/91	
Y	GB 22/35184			Finnigan Mat Ltd.	03/27/91	NO Copy Supplied
Z	WO 92/13829			Wayne State University	08/20/92	
AA	WO 96/3777			Nelson, Randall W. et al.	11/26/96	
AB	WO 96/40886			Arizona Board of Regents	12/16/96	

Examiner Signature	Alexander	Date Considered	2/7/02
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				Group Art Unit	N/A
				Examiner Name	Not Yet Assigned
				Attorney Docket Number	HO-P00798USF

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
A	AC	KARAS, M. et al. Laser Desorption Ionization of Proteins with Molecular Masses Exceeding 10,000 Daltons, <i>Analytical Chemistry</i> 60:2298-2301 (1988) ✓			
	AD	RIVERA, A. A Summary Statement: Probes for Affinity Mass Spectrometry of Phosphoproteins (April 1994) ✓			
	AE	NELSON, et al. Mass Spectrometric Immunoassay, <i>Analytical Chemistry</i> 67:111:89-102 (1991) ✓			
	AF	BEAVIS, R. et al. Epitaxial Protein Inclusion in Sinapic Acid Crystals, <i>J. Phys. D: Appl. Phys.</i> 26:442-447 (1993) ✓			
	AG	STRUPAT, K. et al. 2,5-Dihydroxybenzoic Acid: A New Matrix for Laser Desorption-Ionization Mass Spectrometry, <i>Int'l Journal of Mass Spectrometry and Ion Processes</i> , 111:89-102 (1991) ✓			
	AH	KARAS, M. et al. UV-Laser Desorption/Ionization Mass Spectrometry of Femtomol Amounts of Large Proteins, <i>Biomedical & Environmental Mass Spectrometry</i> 18:841-843 (1989) ✓			
	AI	NELSON, et al. Mass Spec. Analysis of a Transition-metal-binding Peptide Using MALDI-TOFMS: A Demonstration of Probe Tip Chemistry, <i>Rapid Communications in Mass Spec.</i> 6:4-8 (1992) ✓			
	AJ	DWYER, J. et al., A Novel Sample Preparation Device for MALDI-MS, <i>International Library 13A-13F</i> (1997) ✓			
	AK	American Biotechnology Laboratory, February 1994 cover, cover-page 2 (1994) ✓			
	AL	HILLENKAMP, F., Laser Desorption Mass Spectrometry: Mechanisms Techniques and Applications, <i>Bordeaux Mass Spectrometry Conference Report</i> 11A:354-362 (1988) ✓			
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	AO	HUTCHENS, T.W., et al., New Desorption Strategies for the Mass Spectrometric Analysis of Macromolecules, <i>Rapid Communications in Mass Spec.</i> 7:576-580 (1993) ✓			
	AP	XIANG, F., et al., A Method to Increase Contaminant Tolerance in Protein Matrix-assisted Laser Desorption/Ionization by the Fabrication of Thin Protein-doped Polycrystalline Films, <i>Rapid Communications in Mass Spec.</i> 8:199-204 (1994) ✓			
	AQ	MOCK, K.K. et al., Sample Immobilization Protocols for Matrix-assisted Laser Desorption Mass Spectrometry, <i>Rapid Communications in Mass Spec.</i> 8:233-238 (1994) ✓			
	AR	SPEIR, J.P. et al. Substrate-assisted Laser Desorption of Neutral Peptide Molecules, <i>Analytical Chemistry</i> 64:1041-1045 (1992) ✓			
	AS	YIP, T. et al., Protein Expression and Purification 2:355-362 (1991) ✓			
	AT	Van Breemen et al., Time-Resolved Laser Desorption Mass Spectrometry. I. Desorption of Perfomed Ions, <i>Elsevier Scientific Publishing Company, International Journal of Mass Spectrometry and Ion Physics</i> 49(1983): 36-51 ✓			
<i>No copy supplied</i>	AU	MOCK, K.K. et al. Sample Immobilization Protocols for Matrix-assisted Laser Desorption Mass Spectrometry, <i>Rapid Communications in Mass Spectrometry</i> , Vol. 6, 233-238 (1992) ✓			
<i>✓</i>	AV	JONSSON, Gunnar P., et al., Plasma Desorption Mass Spectrometry of Peptides and Proteins Adsorbed on Nitrocellulose, <i>Analytical Chemistry</i> , 58:1084-1087 (1986) ✓			
Examiner Signature	<i>Alvarez</i>		Date Considered	2/7/01	

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